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NOTICE OF ALLOWANCE AND FEE(S) DUE

75167

7590

10/17/2008

HOLLAND & KNIGHT LLP 10 ST. JAMES AVENUE BOSTON, MA 02116 EXAMINER

WILLIAMS, DON J

ART UNIT PAPER NUMBER

2878 DATE MAILED: 10/17/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/625,792	07/23/2003	Marc A. Mandro	113067.00022	9009

TITLE OF INVENTION: OPTICAL DISPLACEMENT SENSOR FOR INFUSION DEVICES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	01/20/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

maintenance fee notifica	tions.					arate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)			Fe pa	e(s) Transmittal. This pers. Each additional i	certificate cannot be used f	or domestic mailings of the for any other accompanying nt or formal drawing, must
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HOLLAND & KNIGHT LLP 10 ST. JAMES AVENUE BOSTON, MA 02116			I h Sta ado tra	ereby certify that this	ficate of Mailing or Trans Fee(s) Transmittal is being h sufficient postage for firs Stop ISSUE FEE address O (571) 273-2885, on the d	mission g deposited with the United st class mail in an envelope above, or being facsimile ate indicated below.
						(Depositor's name)
						(Signature)
						(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	R /	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/625,792	07/23/2003		Marc A. Mandro		113067.00022	9009
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nonprovisional	NO	\$1510	\$300	\$0	\$1810	01/20/2009
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WILLIAN		2878	250-231130			
1. Change of correspond CFR 1.363).	ence address or indicatio	n of "Fee Address" (37	2. For printing on the (I) the names of up t		attorneys 1	
Change of corresp	ondence address (or Cha B/122) attached.	ange of Correspondence	or agents OR, alternat	ively,	•	
The Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.			
3. ASSIGNEE NAME A	ND RESIDENCE DATA	A TO BE PRINTED ON	THE PATENT (print or ty	rpe)		_
PLEASE NOTE: Uni recordation as set fort	less an assignee is ident h in 37 CFR 3.11. Com	ified below, no assignee pletion of this form is NO	data will appear on the T a substitute for filing ai	patent. If an assignee assignment.	is identified below, the d	ocument has been filed for
(A) NAME OF ASSI	GNEE		(B) RESIDENCE: (CIT	Y and STATE OR CO	UNTRY)	
Please check the appropr	iate assignee category or	r categories (will not be p	rinted on the patent):	Individual 🖵 Corp	poration or other private gro	oup entity 🗖 Government
a. The following fee(s)	are submitted:	4	b. Payment of Fee(s): (Ple	ase first reapply any	previously paid issue fee	shown above)
Issue Fee			A check is enclosed.			
`	No small entity discount	permitted)	☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any			
Advance Order -	# of Copies		overpayment, to Dep	y authorized to charge osit Account Number	the required fee(s), any de (enclose a	n extra copy of this form).
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NOTE: The Issue Fee an	d Publication Fee (if req	uired) will not be accepte	d from anyone other than	<u> </u>		ne assignee or other party in
nterest as shown by the	records of the United Sta	ites Patent and Trademark	Office.			
Authorized Signature				Date		
Typed or printed name						
This collection of inform an application. Confiden submitting the complete his form and/or suggest Box 1450, Alexandria, V Alexandria, Virginia 223	d application form to the ions for reducing this bu ⁷ irginia 22313-1450. DC	CFR 1.311. The information U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the D NOT SEND FEES OR	on is required to obtain or 1.14. This collection is ea depending upon the indi- e Chief Information Offic COMPLETED FORMS	retain a benefit by the stimated to take 12 mi vidual case. Any com- cer, U.S. Patent and T. O THIS ADDRESS.	public which is to file (and nutes to complete, includir iments on the amount of ti- rademark Office, U.S. Dep SEND TO: Commissioner	by the USPTO to process) g gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,

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HOLLAND & K	NIGHT LLP	WILLIAMS, DON J		
10 ST. JAMES AV		ART UNIT	PAPER NUMBER	
BOSTON, MA 02116			2878	
			DATE MAILED: 10/17/200	8

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)				
	10/625 702	MANIDDO ET AL				
Notice of Allowability	10/625,792 Examiner	MANDRO ET AL. Art Unit				
•	DOM NAME LANGO	0070				
	DON WILLIAMS	2878				
The MAILING DATE of this communication apperature. All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to	olication. If not included will be mailed in due course. THIS				
1. X This communication is responsive to amendment filed on 9	<u>9/25/08</u> .					
2. ☑ The allowed claim(s) is/are <u>1-6 and 8-20</u> .						
 3.						
2. Certified copies of the priority documents have	been received in Application No	·				
3. Copies of the certified copies of the priority documents have been received in this national stage application from the						
International Bureau (PCT Rule 17.2(a)).						
* Certified copies not received:						
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.						
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give						
5. CORRECTED DRAWINGS (as "replacement sheets") mus	5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.					
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached						
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date						
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date						
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the	.84(c)) should be written on the drawir he header according to 37 CFR 1.121(d	ngs in the front (not the back) of d).				
 DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. 						
Attachment(s)						
1. Notice of References Cited (PTO-892)	5. Notice of Informal P	atent Application				
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary					
3 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	Paper No./Mail Dat 7. Examinar's Amandn	enent/Comment				
4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's Stateme	ent of Reasons for Allowance				
of Biological Material	9.					

Art Unit: 2878

DETAILED ACTION

Allowable Subject Matter

Claims 1-6 and 8-20 are allowed over the prior art of record because the prior art fails to disclose a displacement sensor having a plunger rod coupled to the piston bearing an encoded pattern of encoding features wherein the encoding features includes a plurality of slots and a detector array configured to detect at least two of the plurality of slots simultaneously regarding claim (1); a medical fluid dispensing apparatus comprising an encoding pattern of encoding features disposed along the plunger rod in a direction substantially orthogonal the linear axis of motion of the piston wherein the encoding features includes a plurality of slots and a detector array configured to detect at least two of the plurality of slots simultaneously regarding claim (12); and a method comprising an encoded pattern of encoded features disposed upon a plunger rod coupled to the piston wherein the encoding features includes a plurality of slots and a detector array configured to detect at least two of the plurality of slots simultaneously regarding claim (17).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DON WILLIAMS whose telephone number is (571)272-8538. The examiner can normally be reached on 8:30a.m. to 5:30p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Georgia Epps can be reached on 571-272-2328. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Don Williams/ Examiner, Art Unit 2878

/Georgia Y Epps/ Supervisory Patent Examiner, Art Unit 2878 Application/Control Number: 10/625,792

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Art Unit: 2878